

Docket No.: NL 020054

**REMARKS****I. INTRODUCTION**

Claims 1, 3, and 5 have been amended. Claim 2 has been cancelled. No new matter has been added. Thus, claims 1 and 3-8 remain pending in the present application. In view of the above amendments and following remarks, it is respectfully submitted that all of the presently pending claims are allowable.

**II. THE 35 U.S.C. § 103(a) REJECTIONS SHOULD BE WITHDRAWN**

Claims 1-8 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Applicant's admitted prior art and U.S. Patent No. 5,533,048 to Dolan (hereinafter "Dolan"). (See 05/17/07 Office Action p. 2).

Claim 1 has been amended to incorporate the limitations of now cancelled claim 2. Specifically claim 1 has been amended to recite, "wherein the signal representing a DC value ( $V_{dc}$ ) of the received signal is obtained using a low pass filter; and wherein the 3db value of the low pass filter is at least 50 KHz."

Newly amended claim 1 recites a 3db value of at least 50 KHz for the low pass filter. By having a higher 3db value, there is a shorter time constant which results in a faster settling of the slicer circuit. The prior art admitted by the Applicants cannot achieve this higher 3db value since a higher value will not filter out the preamble. With the preamble unable to be filtered out, there will be too much noise in the system to result in an accurate transition to a digital signal. Furthermore, Dolan only references a notch filter to filter out a pilot signal; it does not teach or suggest an RC circuit with a 3db value greater than 50KHz. Thus, Applicants submit that neither the prior art nor Dolan, either alone or together, teach or suggest, "wherein the signal representing a DC value ( $V_{dc}$ ) of the received signal is obtained using a low pass filter; and wherein the 3db value of the low pass filter is at least 50 KHz," as recited in claim 1. Therefore,

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Applicants submit that claim 1 is allowable. Because claims 3 and 4 depend from, and, therefore include all the limitations of claim 1, it is respectfully submitted that these claims are also allowable for at least the reasons stated above with respect to claim 1.

Independent claim 5 recites, "wherein the 3db value of the low pass filter is at least 50 KHz." Applicants submit that this claim is allowable for at least the reasons stated above with respect to claim 1. Because claims 6-8 depend from, and, therefore include all the limitations of claim 5, it is respectfully submitted that these claims are also allowable for at least the reasons stated above with respect to claim 5.

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CONCLUSION

In light of the foregoing, Applicants respectfully submit that all of the now pending claims are in condition for allowance. All issues raised by the Examiner having been addressed. An early and favorable action on the merits is earnestly solicited.

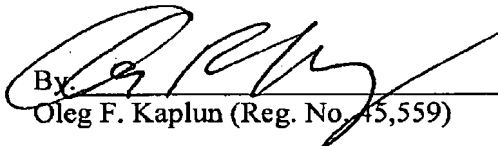
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